

WE CLAIM:

A process

1. A *process* for the preparation of 1-adamantane derivatives characterized by the fact that a 1-acyloxyadamantane, in which the acyl group contains 1 to 4 carbon atoms, is reacted with a receptor compound in a linear aliphatic or cycloaliphatic type solvent in the presence of concentrated sulfuric acid and at ambient temperature.

A process

2. *Process*, according to claim 1 wherein the 1-acyloxyadamantane is 1-formyloxyadamantane, 1-acetoxyadamantane, or 1-propionyloxyadamantane.

A process

3. *Process*, according to claim 1 wherein the linear aliphatic solvent is hexane, heptane, or octane.

A process

4. *Process*, according to claim 3 wherein the solvent is heptane.

A process

5. *Process*, according to claim 1 wherein the cycloaliphatic solvent is cyclopentane, cyclohexane, or cyclooctane.

A process

6. *Process*, according to claim 1 wherein the solvent is used in a proportion of between 5 and 100 times the quantity of the 1-acyloxyadamantane.

A process

7. *Process*, according to claim 1 wherein the concentrated sulfuric acid is used in a proportion of between 0.1:1 and 0.5:1 in relation to the quantity of 1-acyloxyadamantane.

A process

8. *Process*, according to claim 1 wherein the receptor compound is an aromatic compound of the group consisting of

anisole, phenol, toluene, naphthalene, thiophene, or furan
and their substituted derivatives.

a process

9. Process according to claim 7 wherein the receptor is

4-bromoanisole

5 4-bromophenol

4-methoxybenzoic acid

4-methoxybenzoate

methyl 2-fluoro-4-methoxybenzoate

allyl 2-fluoro-4-hydroxybenzoate

10 methyl 6-(4-hydroxyphenyl)-2-naphthoate

methyl 6-(4-methoxyphenyl)-2-naphthoate or
6-hydroxy-2-bromonaphthalene.

a process

10. Process according to claim 1 wherein the receptor
compound is 4-methoxybenzene thiol.

a process

- 15 11. Process according to claim 1 wherein the receptor
compound is acetonitrile.